

PLNTPTH/ENT/HCS 1100: Experiences in
Plant Pathology, Entomology, and Horticulture and Crop Science
Autumn Semester 2014 (2nd Term, starting October 20th)



Instructors of Record:

Dr. Margaret (Peg) McMahon, Horticulture and Crop Science, mcmahon.43@osu.edu, 614-292-8867, 248B Howlett Hall

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Dr. Monica Lewandowski, Plant Pathology, lewandowski.52@osu.edu, 614-247-6876, 246A Kottman Hall

Sarah Williams, Plant Pathology, williams.4263@osu.edu, 614-292-4854, 246B Kottman Hall

Contact info of others you will see throughout the 7 weeks:

Dr. Terry Niblack, Dept. Chair, Plant Pathology, niblack.2@osu.edu, 614-292-8038

Dr. Dan Herms, Dept. Chair, Entomology, herms.2@osu.edu, 330-202-3506

Dr. Jim Metzger, Dept. Chair HCS, metzger.72@osu.edu

Lectures: Monday 3:00-3:55, Howlett Hall 164 (October 20 – December 8)

Learning Goals: Students:

1. Understand internship and career choices as well as graduate school options in plant pathology, entomology, horticulture and agronomy, turfgrass, plant health management, and Professional Golf Management;
2. Know the requirements and expectations in his or her major;
3. Become familiar with several faculty, staff, students, and alumni in entomology, plant pathology, and horticulture and crop science;
4. Understand undergraduate research opportunities and benefits
5. Understand the value of study abroad experiences.

Learning Outcomes: Students:

- 1-1. Describe internship, career, and graduate school options;
- 2-1. Develop resume of plans for Ohio State and beyond;
- 3-1. Communicate and interact with faculty, staff, students, and alumni;
- 4-1. Identify undergraduate research options and know the value of a research experience; and

Assignments:

Resume

This assignment will consist of two parts: resume outline due November 10th and the full resume due December 1st. Follow the instructions on the outline handout to complete the first part. We will provide feedback that you will then incorporate into your full resume. More information on this will be discussed in class and can be found on Carmen.

Suggested sections may include: Name and Address (where you'd like be), Strengths, Education, Skills and Knowledge, Extracurricular Activities, Scholarships and Awards, Professional Presentations/Publications/Abstracts, Work Experience, Research Experience, Relevant Coursework, References/recommendations, and/or "Other".

4-year letter

Due on November 24th is a letter you will write to yourself (or a friend, parent, etc. – your choice) about where you think you'll be 4 years *after* graduation. Where do you want to be, and what do you want to be doing? The point is to think about goals you'd like to set for yourself (and how you can create a path to achieve these goals).

Short Assignments

- Week 10, Resources search - Professional Information– 7 %
Find out where professionals in your field go to find up-to-date information on what’s happening in your field. Demonstrate your ability to find articles in scientific literature and write proper citations for the scientific article using library.osu.edu. Find 3 articles in specific journals. See assignment write-up.
- Week 11, Club meeting attendance – 5 %
Attend a student club meeting between October 20th and December 8th. The student club must be a part of CFAES. Obtain a signature from the club president to submit for assignment credit. If you cannot attend a meeting you must email the club president or vice president, ask them three questions about the class (1. What is the history of the club? 2. What is the purpose of the club? 3. What activities does the club participate in?) and submit the original email thread to your instructor for credit.
- Week 12, Careers internet search – 5%
Complete an internet search of careers that interest you. You need to provide two careers in one of the following venues: private, public, government, academia, etc. Turn in a summary of why you are interested in that career and what you can do as a student at Ohio State to help make your pursuit of that career better (example: what classes might be the best to help you prepare for that career).

Grading Scale: Grades will be determined by attendance and participation in weekly classes, and completion of career resume.

- Attendance (question of the day) 28%
- Short Assignments 17%
- Resume Outline 25%
- Full Resume 10%
- Letter 20%

93-100	A	87-89	B+	77-79	C+	67-69	D+
90-92	A-	83-86	B	73-76	C	60-66	D
		80-82	B-	70-72	C-	< 60	E

Academic Integrity and Respect: An atmosphere of respect for others will be maintained at all times by everyone in the classroom. Cell phones will be turned off or muted and not used in class except for class related use, attention will be given to the person holding the floor, differences of opinion will be expressed civilly, etc. Students are reminded that academic misconduct is a violation of the code of Student Conduct and, per faculty rule 3335-31-02, must be reported to the Committee on Academic Misconduct. The University defines academic misconduct as any activity that tends to compromise the academic integrity of the institution or that subverts the educational process.

Disability Accommodations: Any student who feels he/she may need an accommodation based on the impact of a disability should contact an instructor privately to discuss your specific needs. Please also contact the Office of Disability Services at 614-292-3307 in room 150 Pomerene Hall to register documented disabilities and to coordinate reasonable coursework accommodations (ODS can also do referrals for preliminary testing for learning disabilities).

Course Schedule (Subject to change.)

Week	Date	Topic	Assignments Due
8	Monday, October 20	What is plant pathology, plant health management, entomology, sustainable plant systems, and professional golf management all about? Meet department chairs; course overview.	
9	Monday, October 27	Meet key people of each major	
10	Monday, November 3	Student clubs	Resources search
11	Monday, November 10	Internships/Grad School	Resume outline
12	Monday, November 17	Careers (start to sign-up for site visits)	Career expo or quick career search
13	Monday, November 24	Undergrad research	4 year letter
14	Monday, December 1	Site visits (Majors breakout) (Gardens, Greenhouse, Germplasm Center, Bee Lab, PGM option)	Resume
15	Monday, December 8	Class wrap-up (Majors breakout)	Club meeting

Scientific journal article worksheet

Objectives:

- 1) Demonstrate the ability to find articles in the scientific literature.
- 2) Demonstrate the ability to write a proper citation for a scientific article.

Assignment: find 3 articles in the specific journals mentioned below, from the years 2013 - 2014 only, and write a citation for each with a brief description of the article you chose.

Example of a citation, including **author(s)**, year, **article title**, **journal title**, volume number, page numbers.

Kehoe.M.A., Buirchell, B.J., Coutts, B. A., and Jones, R. A. C. 2014. **Black pod syndrome of *Lupinus angustifolius* is caused by late infection with *Bean yellow mosaic virus*.** **Plant Dis.** 98:739-745.

Steps:

- 1) Go to the OSU library website: <http://library.ohio-state.edu/search>
- 2) Find the link to 'Journals (Online)', on right upper part of page.
- 3) In the search box, enter a journal title.

a) When presented with sources to connect to, select either one; if you are off-campus, you will be asked for your OSU login info.

b) You will then see a menu of individual issues for that journal, and a search box at the top. You can either select a volume and issue and then browse through its table of contents to find an article of interest, OR use the search box to search for articles with any term of interest. Beware that if you use the search box, it is not restricted to one issue or one year.

c) Select an article of interest and then write its citation on page 2, in the format shown in the example above.

- 4) Repeat step 3, this time with a new journal.

Plant Pathology and Plant Health Management journal suggestions: *Phytopathology*, *Plant Disease*, *Crop Science*, *Mycologia*, *Canadian Journal of Plant Pathology*

Sustainable Plant Systems journal suggestions: Journal American Society of Horticultural Science, HortScience, HortTechnology, Agronomy Journal, Applied Turfgrass Science

Not in the OSU Library Database: International Journal of Golf Science (this is the only one for PGM students, not in the OSU library database, access at <http://journals.humankinetics.com/ijgs>)

The following are PGM related but are magazines, not journals though citations would be similar. The are not in the OSU Library database: PGA Magazine (go directly to <http://pgamagazine.com>, not the OSU Library site), Golf Operator Magazine (go directly to <http://golfoperatormagazine.com>)

Scientific journal article worksheet

Name: _____

Write the citations for your chosen articles here:

Journal name	Citation	Description (2-3 sentences)

